



PRODUCT FEATURES:

- **Universal AC Input with Active PFC**
- **Industry Standard Footprint**
- **Convection Cooled Operation**
- **Rugged U-Channel Construction**
- **Short Circuit, Over Load, Over Voltage and Over Temperature Protection**
- **International Safety Approvals**
- **Class B Emissions**



INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (89 to 264VAC)
FREQUENCY	47-63Hz
INRUSH CURRENT	≤ 25A @ 230 VAC (Max Continuous)
PROTECTION	Single 3.15 A Fuse / 250 VAC
LEAKAGE	600uA Max @ 264 VAC
HOLD-UP	≥20ms @ (230 VAC & Full Load)
EFFICIENCY	≥ 78% @ 230V AC
HARMONICS	EN61000-3-2 Class D Compliant (>98 PF)
CURRENT	1.35A @ 90VAC Full Load

OUTPUT SPECIFICATIONS:

MINIMUM LOAD	5% on each output
LINE REGULATION	±.1% Max over entire input range
LOAD REGULATION	±.5% (12V) ±1.5% (5V)
RIPPLE	±% or 50mV pk-k max, whichever is greater (20MHz)
SETPOINT ACCURACY	±.5%
EXCURSION	±5% Max for 25% Step Load
RECOVERY	100ms max
OVER-CURRENT	110-120% (Auto-Recovery)
OVER VOLTAGE PROTECTION	120% (recycle input to reset)
OVER TEMPERATURE	Auto-Recovery

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0 ~ 50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
COOLING	Convection Cooled
HUMIDITY	20-75% (non-condensing)
RELIABILITY (MTBF)	200,000 Hours MTBF
NOISE	≤ 40dB
SIZE (INCHES)	7.20 x 4.20 x 1.8 (L x W x H)

ELECTROMAGNETIC COMPATIBILITY:

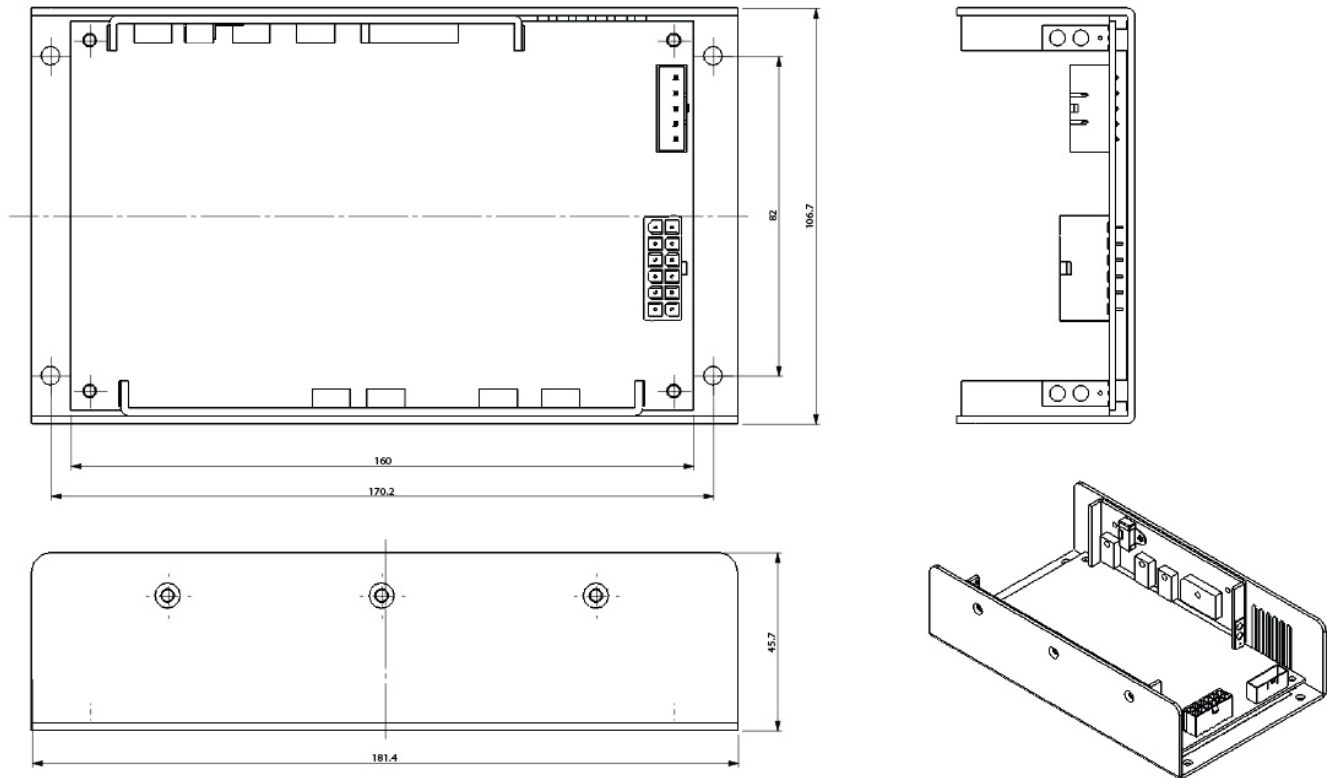
EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT/BURSTS	EN61000-4-5, 2kV Earth, 1kV Line-Line
SURGES	EN61000-4-6, 0.15-800MHz, 10V 80%
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3
HARMONIC EMISSIONS	EN61000-3-2 Class D (>98PF)

SAFETY STANDARDS:

UL/CUL	60950-1
CE MARK	Low Voltage Directive



OUTLINE DRAWING:



CAUTION: The output of this SMPS unit has a hazardous energy level.
To avoid energy hazard from its output, user accessible parts on end-product must be protected by a suitable prevention.

